

UNITED STATES NAVAL OBSERVATORY
CIRCULAR NO. 10

U. S. Naval Observatory, Washington 25, D. C.

February 8, 1950

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

MARCH - MAY, 1949

By Lucy T. Day *

All measurements and spot counts were made at the Naval Observatory from plates secured either in Washington, or at Mt. Wilson. Difference in longitude is measured from the central meridian, positive toward the west; latitude is positive toward the north. Areas are corrected for foreshortening and expressed in millionths of the sun's hemisphere. For each date at the bottom of the columns headed: Mt. Wilson group number, difference in longitude, latitude, area of spot or group, and spot count are included respectively: number of groups, assumed longitude of the central meridian, assumed latitude of the center of the disk, total area of spots and groups, and total spot count. The date is expressed in Universal Time. The observatory at which the plate was secured and its quality are indicated directly below this date. (NO stands for U. S. Naval Observatory, MW for Mt. Wilson Observatory; and the symbols VG, G, F and P mean very good, good, fair and poor respectively.) Spots not assigned a number at Mt. Wilson are indicated by an asterisk. Corresponding data were published in the Monthly Weather Review from February 1927 to December 1947. Since December 31, 1947 they are published monthly in this series of circulars.

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

Heliographic						
Date U. T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lat- itude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Mar.						
1.632	9679	-73	-11	74	73	1
NO-G	9678	-68	+ 7	69	97	1
	9677	-61	-17	61	61	1
	9673	-39	+10	43	388	1
	9671	-37	- 7	37	533	3
	9671	-32	- 7	32	24	4
	9676	-32	+ 6	34	145	8
	9675	-28	-10	28	12	1
	9667	+ 5	+ 5	14	170	1
	9667	+ 8	+ 8	18	73	6
	9667	+14	+ 8	21	73	4
	9667	+17	+ 8	24	388	1
	9674	+19	+22	34	24	2
	9670	+29	+13	35	485	4
	9670	+31	+12	36	24	6
	9670	+36	+13	41	436	1
	9662	+61	+ 9	63	12	1
	(11)	(277)	(-7)		3,018	46
2.649	9682	-77	+19	80	388	1
• NO-F	9679	-60	-11	60	61	1
	9678	-54	+ 7	56	61	2
	(*)	-45	+19	52	12	2
	9673	-25	+10	30	388	1
	9671	-23	- 7	23	461	1
	9671	-22	- 5	22	48	1
	9676	-18	+ 6	23	485	14
	9675	-15	-10	15	24	1
	9667	+19	+ 5	23	121	1
	9667	+21	+ 6	25	24	2
	9667	+28	+ 8	32	48	1
	9667	+31	+ 8	35	388	1
	9670	+41	+12	45	436	3
	9670	+43	+11	46	97	1
	9670	+48	+12	51	73	1
	9670	+50	+13	53	485	3
	9662	+75	+ 9	78	97	1
	(11)	(263)	(-7)		3,697	38
3.758	9683	-72	+21	76	194	2
NO-G	9682	-63	+19	67	436	1
	9679	-46	-11	46	73	1
	9678	-40	+ 8	43	48	1
	9673	-11	+11	21	24	2
	9673	-10	+ 9	19	388	1
	9671	-10	- 8	10	388	2
	9671	- 8	- 5	9	48	4
	9671	- 4	- 8	5	48	5
	9671	- 2	-11	4	12	2
	9676	- 6	+ 6	15	436	4
	9676	- 1	+ 5	13	485	7
	9667	+33	+ 5	35	145	1
	9667	+35	+ 6	37	24	2
	9667	+46	+ 8	50	388	1
	9670	+56	+12	58	339	1
	9670	+58	+15	62	12	1
	9670	+60	+12	63	533	5
	9670	+65	+13	68	436	1
	(9)	(249)	(-7)		4,457	44

Heliographic						
Date U. T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lat- itude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Mar.						
4.644	9683	-60	+21	65	242	5
NO-F	9682	-49	+18	55	436	1
	(*)	-39	-12	39	24	1
	9679	-33	-11	33	48	1
	9678	-27	+7	32	48	1
	9673	+1	+11	18	97	6
	9673	+3	+9	17	291	2
	9671	+4	-8	4	388	4
	9671	+10	-7	10	12	1
	9671	+11	-11	12	24	2
	9676	+7	+6	15	485	4
	9676	+11	+5	16	436	7
	9680	+24	+7	27	12	1
	9667	+45	+6	47	145	1
	9667	+57	+8	60	388	1
	9667	+61	+8	64	6	1
	9670	+70	+13	72	436	3
	9670	+78	+13	80	582	4
	(11)	(237)	(-7)		4,100	46
5.629	9685	-65	-13	65	24	1
NO-G	9684	-56	-10	56	24	2
	9683	-47	+21	55	291	8
	9682	-36	+18	45	436	1
	9679	-20	-11	21	36	1
	9677	-15	-17	17	48	2
	9678	-14	+7	20	24	1
	9673	+10	+10	20	24	3
	9673	+15	+10	23	291	7
	9671	+12	-10	12	12	2
	9671	+17	-7	17	339	1
	9676	+19	+6	23	630	9
	9676	+25	+5	28	194	5
	9676	+27	+4	30	242	1
	9675	+21	-6	21	12	2
	9675	+22	-8	22	61	5
	9680	+38	+6	41	48	4
	9667	+59	+6	61	145	1
	9667	+71	+8	73	339	1
	9670	+85	+13	87	388	1
	(14)	(224)	(-7)		3,608	58
6.685	9685	-51	-14	51	24	1
NO-F	9684	-42	-8	42	24	1
	9683	-33	+22	44	242	4
	9682	-24	+17	34	12	2
	9682	-22	+18	32	436	1
	9681	-18	+6	23	12	2
	9686	-22	-10	22	12	3
	9677	-7	-18	13	12	4
	9677	-3	-17	12	97	9
	9677	+2	-17	12	121	4
	9679	-6	-11	7	24	1
	9673	+27	+8	32	24	4
	9673	+31	+8	35	194	7
	9671	+31	-7	31	291	1
	9676	+34	+7	36	436	8
	9676	+40	+4	42	242	5
	9676	+42	+4	45	194	1
	9675	+36	-9	36	48	2

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

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Date U.T.	Mount Wilson group No.	Heliographic		Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
		Dif- fer- ence in longi- tude °	Lati- tude °			
Mar.						
	9680	+50	+ 6	52	24	2
	9667	+73	+ 7	73	145	1
	(14)	(210)	(-7)		2,614	63
7.657 NO-F	9692	-80	-18	80	194	1
	9691	-78	+15	80	388	1
	9685	-37	-14	37	24	1
	9684	-28	- 8	28	24	1
	9683	-21	+21	36	267	4
	9682	-11	+16	26	48	5
	9682	- 9	+18	27	485	1
	9679	+ 8	-11	10	24	1
	9677	+10	-17	15	48	6
	9677	+15	-17	18	194	1
	9673	+44	+ 8	46	145	5
	9671	+44	- 7	44	242	1
	9676	+47	+ 7	50	291	9
	9676	+53	+ 5	55	339	5
	9676	+55	+ 5	57	242	1
	9675	+50	- 9	50	48	1
	(12)	(197)	(-7)		3,003	44
8.626 NO-G	9693	-70	+18	73	24	3
	9692	-68	-18	68	194	1
	9691	-64	+16	67	485	2
	9690	-36	-12	36	24	2
	9685	-24	-14	26	12	3
	9683	- 9	+21	30	194	4
	9683	- 5	+21	28	24	1
	9682	+ 2	+17	25	97	12
	9682	+ 3	+18	25	436	1
	9689	+17	- 2	18	12	2
	9679	+21	-11	22	24	1
	9677	+23	-17	24	24	8
	9677	+29	-18	31	194	1
	9688	+32	+ 8	36	97	8
	9687	+33	-10	33	12	2
	9673	+57	+ 9	59	194	1
	9673	+60	+ 6	61	97	2
	9671	+58	- 6	58	194	1
	9675	+64	- 9	64	24	1
	9676	+68	+ 5	69	291	1
	(16)	(185)	(-7)		2,653	57
9.684 NO-F	9697	-79	- 9	79	388	1
	9693	-56	+18	60	6	2
	9692	-54	-17	54	194	1
	9691	-50	+16	55	291	1
	9691	-48	+16	53	194	1
	9690	-22	-12	23	97	9
	9690	-18	-11	18	48	1
	9685	-12	-13	13	24	7
	9685	-11	-17	15	12	1
	9683	+ 5	+21	28	242	6
	9683	+ 9	+20	28	12	2
	9694	+ 8	+ 7	17	6	2
	9682	+15	+17	29	48	6
	9682	+18	+17	31	485	1

Date U.T.	Mount Wilson group No.	Heliographic		Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
		Dif- fer- ence in longi- tude °	Lati- tude °			
Mar.						
	9682	+20	+18	32	48	7
	9677	+42	-17	43	145	7
	9687	+46	- 9	46	61	8
	9687	+50	-10	50	97	1
	9688	+46	+ 8	48	73	9
	9673	+70	+ 8	71	97	2
	9671	+72	- 6	72	97	4
	9676	+82	+ 5	83	339	2
	(15)	(171)	(-7)		3,004	81
10.640 NO-F	9698	-78	+ 9	79	242	1
	9697	-66	- 9	66	388	2
	9693	-42	+19	48	73	4
	9692	-40	-18	41	194	1
	9691	-36	+16	42	485	2
	9690	- 9	-12	11	73	5
	9690	- 4	-11	6	97	1
	9685	+ 1	-18	12	61	3
	9683	+18	+21	34	145	3
	9683	+21	+20	35	61	1
	9682	+29	+17	38	36	3
	9682	+31	+17	40	436	1
	9677	+56	-17	56	145	4
	9687	+59	- 9	59	97	2
	9687	+63	-11	63	194	1
	9688	+62	+ 7	64	12	3
	(12)	(158)	(-7)		2,739	37
11.673 NO-F	9698	-64	+ 9	66	24	1
	9698	-64	+ 7	67	388	1
	9697	-56	- 9	56	48	2
	9697	-53	-10	53	582	2
	9701	-38	+12	42	12	1
	9693	-32	+18	40	61	5
	9693	-29	+20	40	48	2
	9692	-27	-18	28	194	1
	(*)	-26	-24	31	6	3
	9691	-23	+16	33	436	4
	9690	+ 3	-12	6	97	12
	9690	+11	-12	12	194	1
	9699	+ 8	-17	13	12	2
	9685	+15	-17	18	36	2
	9685	+18	-15	21	12	5
	9683	+30	+20	40	121	5
	9682	+43	+16	49	48	8
	9682	+45	+13	49	145	2
	9682	+45	+15	50	388	1
	9677	+68	-15	68	24	2
	9677	+71	-17	72	73	5
	9687	+72	- 9	72	97	4
	9687	+80	-10	80	194	1
	(14)	(145)	(-7)		3,240	72
12.645 NO-VC	9704	-83	- 7	83	24	1
	9703	-71	+20	75	145	1
	9698	-50	+ 8	52	436	1
	9697	-41	-11	41	48	5
	9697	-39	- 9	39	533	2
	9697	-37	-13	38	48	7

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

Heliographic						
Date U.T.	Mount Wilson group No.	Dif- fer- ence in longi- tude o	Lati- tude o	Dis- tance from cen- ter of disk o	Area of spot or group	Spot count
Mar.						
	9701	-24	+12	30	24	5
	9700	-19	-9	19	6	2
	9693	-18	+18	32	73	14
	9692	-13	-16	16	194	1
	9692	-13	-19	18	12	5
	9691	-10	+15	25	485	4
	9699	+23	-17	25	12	1
	9690	+25	-11	25	194	1
	9690	+26	-12	27	145	12
	9685	+28	-17	30	24	5
	9683	+44	+21	52	145	1
	9683	+48	+20	55	6	1
	9682	+54	+17	59	97	9
	9682	+58	+16	62	388	4
	9682	+59	+14	62	145	6
	9677	+79	-13	79	97	1
	9677	+86	-16	86	97	2
	(15)	(132)	(-7)		3,378	91
13.801 NO-G	9708	-88	-16	88	145	1
	9706	-75	+24	79	873	1
	9705	-69	-4	69	388	3
	9705	-65	-6	65	242	2
	9704	-60	-7	58	48	2
	9703	-56	+20	62	97	1
	9698	-34	+9	37	436	1
	9697	-25	-8	25	61	2
	9697	-24	-9	24	436	2
	9700	-3	-8	3	73	4
	9693	-2	+19	26	73	8
	9692	+2	-17	10	194	1
	9691	+5	+15	23	36	2
	9691	+6	+17	25	533	3
	9690	+35	-12	35	73	7
	9690	+40	-11	40	194	1
	9683	+60	+21	65	121	1
	9682	+75	+16	78	339	2
	9682	+75	+13	77	73	1
	(14)	(116)	(-7)		4,435	45
14.640 NO-G	9710	-84	-20	84	485	1
	9708	-76	-15	76	485	1
	9707	-66	+17	70	12	1
	9706	-62	+24	68	776	1
	9706	-58	+23	64	12	1
	9706	-55	+25	62	12	1
	9705	-57	-4	57	388	1
	9705	-53	-6	53	436	1
	9704	-44	-7	44	48	5
	9703	-42	+22	50	61	1
	9698	-22	+9	26	436	1
	9697	-13	-9	13	12	1
	9697	-12	-10	12	485	2
	9697	-11	-13	12	12	1
	9700	+11	-8	11	36	2
	9693	+11	+19	28	61	7
	9692	+12	-18	16	194	1
	9692	+18	-18	21	24	2
	9691	+18	+17	31	485	7

Heliographic						
Date U.T.	Mount Wilson group No.	Dif- fer- ence in longi- tude o	Lati- tude o	Dis- tance from cen- ter of disk o	Area of spot or group	Spot count
Mar.						
	9690	+47	-13	47	24	5
	9690	+53	-11	53	194	1
	9709	+65	-12	65	12	2
	9683	+70	+20	74	97	1
	9682	+88	+13	89	73	1
	(17)	(105)	(-7)		4,860	48
15.874 NO-G	9710	-68	-20	68	436	1
	9708	-61	-15	61	436	1
	9708	-61	-13	61	12	1
	9707	-49	+18	55	12	1
	9706	-45	+25	54	776	1
	9706	-44	+25	53	73	4
	9706	-40	+23	50	12	1
	9705	-43	-4	43	388	1
	9705	-37	-5	37	388	1
	9704	-28	-6	28	16	1
	9703	-26	+22	38	61	1
	9698	-6	+9	17	436	1
	9697	+1	-10	3	12	2
	9697	+3	-10	4	339	2
	9697	+4	-14	9	12	5
	9712	+11	-11	12	73	3
	9700	+24	-9	24	12	3
	9693	+26	+18	36	12	5
	9692	+29	-18	31	194	1
	9691	+32	+13	38	12	6
	9691	+33	+15	40	436	2
	9711	+40	+19	48	12	2
	9690	+59	-15	59	121	2
	9690	+70	-13	70	194	1
	(16)	(89)	(-7)		4,475	49
16.633 NO-G	9710	-59	-19	59	12	1
	9710	-56	-20	56	436	2
	9708	-50	-13	50	97	5
	9708	-49	-15	49	291	1
	9707	-38	+16	45	12	1
	9706	-38	+25	50	776	1
	9706	-36	+26	49	121	6
	9705	-33	-3	33	388	1
	9705	-27	-5	27	436	1
	9703	-17	+22	34	61	1
	9704	-16	-6	16	6	1
	9715	-12	-27	23	24	1
	9698	+3	+9	16	436	1
	9713	+12	-12	13	48	4
	9697	+13	-10	13	339	2
	9712	+22	-10	22	73	13
	9692	+38	-18	39	145	1
	9691	+42	+16	48	436	2
	9691	+42	+15	47	48	4
	9711	+50	+20	56	12	2
	9690	+68	-15	68	24	3
	9690	+70	-15	70	194	1
	(16)	(79)	(-7)		4,415	55
17.621 NO-F	9710	-46	-19	46	12	4
	9710	-42	-21	43	436	1

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

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Heliographic						
Date U. T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lat- tude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Mar.						
	9708	-39	-15	40	97	2
	9708	-36	-15	36	291	1
	9708	-35	-13	35	97	3
	9707	-25	+16	34	12	2
	9706	-23	+23	37	873	2
	9705	-19	-4	20	485	5
	9705	-12	-6	12	388	2
	9703	-4	+21	28	73	1
	9704	-2	-9	3	12	3
	9714	+7	+13	21	36	2
	9698	+17	+7	22	436	1
	9713	+26	-13	27	97	5
	9697	+27	-10	27	364	6
	9712	+34	-10	34	12	3
	9712	+39	-10	39	24	2
	9692	+51	-18	51	194	1
	9791	+56	+15	60	533	6
	9716	+64	-18	64	97	1
	9711	+64	+19	67	12	1
	(16)	(66)	(-7)		4,581	54
18.778 NO-G	9718	-74	-6	74	97	1
	9710	-30	-21	32	24	5
	9710	-29	-18	31	73	2
	9710	-28	-22	31	388	2
	9708	-24	-14	25	48	4
	9708	-22	-15	24	291	1
	9708	-19	-13	20	73	5
	9707	-13	+17	27	97	9
	9707	-10	+16	25	73	5
	9706	-8	+23	31	921	6
	9705	-4	-5	4	436	13
	9705	+2	-6	2	412	1
	9703	+12	+21	31	48	1
	9714	+21	+13	29	12	1
	9698	+32	+7	35	436	2
	9697	+42	-10	42	242	4
	9713	+42	-14	42	218	10
	9712	+50	-10	50	194	11
	9712	+58	-9	58	218	3
	9692	+66	-18	66	194	1
	9691	+70	+15	73	436	4
	(14)	(51)	(-7)		4,931	91
19.656 NO-F	9718	-60	-7	60	73	1
	9710	-18	-20	22	73	5
	9710	-17	-22	22	339	1
	9708	-10	-15	13	291	1
	9708	-8	-15	12	121	4
	9707	-2	+18	25	194	3
	9707	+2	+17	24	61	7
	9706	+3	+23	30	873	1
	9706	+4	+24	31	145	3
	9705	+8	-5	9	291	6
	9705	+14	-7	14	436	2
	9703	+23	+20	35	48	1
	9698	+44	+7	46	436	1
	9697	+53	-10	53	291	2

Heliographic						
Date U. T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lat- tude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Mar.						
	9713	+54	-13	54	339	3
	9712	+60	-10	60	48	1
	9712	+65	-9	65	121	3
	9692	+79	-17	79	194	1
	9691	+83	+15	85	242	1
	(13)	(39)	(-7)		4,616	47
20.718 NO-F	9724	-71	+13	74	194	1
	9718	-45	-7	45	73	1
	9710	-3	-22	15	291	1
	9710	-4	-21	14	73	3
	9708	+4	-16	11	291	1
	9708	+6	-16	12	97	3
	9707	+11	+17	26	145	2
	9707	+18	+15	29	61	1
	9706	+18	+22	34	1,164	2
	9705	+22	-5	22	242	4
	9705	+28	-9	28	436	1
	9723	+29	+12	34	109	1
	9723	+34	+13	40	61	3
	9722	+42	+15	47	48	2
	9721	+51	+17	57	24	1
	9698	+57	+7	59	436	1
	9697	+67	-10	67	194	2
	9713	+67	-13	67	339	5
	9712	+74	-11	74	48	1
	9712	+82	-10	82	194	3
	(14)	(25)	(-7)		4,520	39
21.639 NO-G	9727	-75	+10	77	194	1
	9724	-59	+13	62	291	1
	9718	-35	-7	35	24	5
	9718	-30	-7	30	61	1
	9726	-5	-20	14	24	1
	9725	+4	-20	14	97	15
	9710	+10	-12	12	291	1
	9710	+9	-10	10	24	8
	9708	+18	-16	21	485	11
	9707	+22	+18	33	145	3
	9707	+30	+15	37	24	2
	9706	+31	+22	42	1,357	3
	9705	+35	-5	35	267	7
	9705	+41	-8	41	436	1
	9723	+42	+12	46	170	1
	9723	+46	+12	50	36	4
	9722	+52	+15	56	24	3
	9721	+62	+17	66	12	3
	9698	+71	+7	73	436	1
	9697	+80	-10	80	242	2
	9713	+80	-13	80	242	3
	(16)	(13)	(-7)		4,882	77
22.680 NO-VG	(*)	-68	+15	70	6	3
	9727	-61	+10	63	194	1
	9724	-44	+14	49	267	1
	9724	-43	+14	48	6	1
	9718	-17	-7	17	24	2
	9726	+9	-20	16	24	4

Heliographic						
Date U. T.	Mount Wilson group No.	Dif- ference in longi- tude °	Lati- tude °	Dis- tance from center of disk °	Area of spot or group	Spot count
Mar.		°	°	°		
	9725	+20	-20	24	73	20
	9710	+21	-22	26	291	2
	9708	+29	-15	30	291	1
	9708	+31	-16	32	194	10
	9707	+35	+19	44	97	1
	9707	+44	+15	49	12	1
	9706	+43	+23	51	1,357	3
	9705	+48	- 6	48	218	5
	9705	+52	- 7	52	436	2
	9723	+53	+12	56	145	1
	9698	+85	+ 7	86	291	1
	(13)	(359)	(-7)		3,926	59
23.666 NO-VG	9730	-71	- 8	72	6	1
	9729	-58	+ 7	60	12	2
	9727	-48	+ 9	51	194	1
	9724	-31	+14	37	267	1
	9726	+20	-21	24	24	2
	9725	+33	-20	35	48	10
	9710	+35	-23	36	291	3
	9708	+41	-17	42	291	1
	9708	+44	-17	45	73	10
	9708	+44	-19	45	12	2
	9707	+48	+18	54	61	2
	9706	+55	+27	63	12	2
	9706	+55	+23	61	1,357	10
	9705	+63	- 7	63	97	3
	9705	+67	- 8	67	436	2
	9723	+68	+12	70	97	1
	(12)	(346)	(-7)		3,278	53
24.638 NO-G	9733	-76	+ 2	76	291	1
	9732	-71	- 6	71	12	1
	9730	-58	- 8	58	12	1
	9727	-35	+ 9	38	194	1
	9724	-21	+14	29	24	3
	9724	-19	+14	28	242	2
	9726	+34	-20	36	73	12
	9710	+48	-21	49	194	6
	9710	+49	-19	50	73	10
	9708	+54	-15	54	12	2
	9708	+55	-16	55	412	1
	9707	+62	+19	66	48	3
	9706	+70	+23	75	1,357	6
	9705	+77	- 6	77	145	3
	9705	+80	- 8	80	436	1
	9723	+81	+12	82	97	1
	(12)	(333)	(-7)		3,622	54
25.650 MW-F	9733	-63	+ 2	63	291	1
	9733	-61	+ 1	61	12	1
	9732	-57	- 7	57	48	4
	9729	-28	+ 7	32	61	11
	9727	-21	+ 9	26	194	1
	9724	- 7	+14	22	12	3
	9724	- 6	+13	21	267	1
	9718	+19	- 8	19	24	12
	9728	+24	+ 9	29	12	4

Heliographic						
Date U. T.	Mount Wilson group No.	Dif- ference in longi- tude °	Latitude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Mar.						
	9726	+47	-20	48	145	19
	9726	+51	-20	51	73	6
	9710	+61	-22	61	170	2
	9710	+62	-20	62	36	7
	9708	+69	-16	69	388	1
	9707	+78	+19	80	24	1
	9706	+83	+23	85	921	1
	(12)	(320)	(-7)		2,678	75
26.627 MW-F	9735	-62	+28	69	12	1
	9733	-50	+ 2	51	315	1
	9732	-45	- 8	45	24	1
	9731	-40	+ 4	42	12	1
	9729	-15	+ 7	21	24	1
	9727	- 8	+ 9	18	218	1
	9734	+ 4	+ 8	16	12	1
	9724	+ 8	+12	21	242	2
	9724	+ 8	+14	23	24	5
	9718	+33	- 8	33	36	4
	9726	+58	-19	58	24	5
	9726	+62	-20	62	339	16
	9710	+73	-23	73	194	3
	9708	+82	-16	82	388	1
	(12)	(307)	(-7)		1,864	43
27.626 MW-G	9737	-68	- 8	68	73	3
	9736	-57	+15	61	24	11
	9736	-53	+15	57	24	3
	9735	-49	+29	60	48	11
	9733	-36	+ 1	37	291	1
	9733	-36	+ 3	37	145	26
	9732	-29	- 8	29	16	5
	9731	-26	+ 4	28	24	10
	9729	- 2	+ 7	15	97	4
	9727	+ 6	+ 9	17	194	1
	9724	+22	+12	28	194	5
	9718	+46	- 8	46	24	10
	9726	+75	-21	75	388	26
	(11)	(294)	(-7)		1,542	116
28.574 NO-F	9741	-86	+11	88	73	1
	9740	-83	-12	83	194	1
	9739	-76	+17	78	194	1
	9737	-57	- 8	57	61	1
	9736	-40	+15	46	12	1
	9735	-33	+30	48	24	2
	9733	-25	+ 5	27	48	2
	9733	-24	+ 3	26	315	1
	9733	-20	+ 3	22	12	1
	9732	-17	- 7	17	97	6
	9738	-17	-11	18	24	4
	9727	+17	+10	24	242	1
	9724	+35	+12	40	109	1
	(11)	(282)	(-7)		1,405	23
29.656 NO-G	9741	-75	+15	78	145	1
	9741	-72	+12	75	97	3

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

7

Date U.T.	Heliographic					Spot count
	Mount Wilson group No.	Dif- fer- ence in longi- tude o	Lati- tude o	Dis- tance from cen- ter of disk o	Area of spot or group	
Mar.						
	9741	-69	+14	71	145	2
	9743	-75	+9	77	73	1
	9740	-69	-13	69	194	1
	9739	-62	+17	66	194	1
	9737	-43	-7	43	48	1
	9736	-27	+16	36	48	8
	9735	-22	+28	41	12	1
	9733	-10	+5	16	6	2
	9733	-9	+3	13	291	1
	9738	-2	-11	4	12	3
	9732	+1	-8	1	12	4
	9727	+31	+8	34	24	2
	9727	+31	+10	35	194	1
	9724	+49	+11	52	48	1
	(12)	(267)	(-7)		1,543	33
30.637 NO-G	9741	-61	+13	64	145	1
	9741	-56	+12	59	48	4
	9741	-55	+13	59	145	1
	9743	-60	+10	63	48	1
	9740	-55	-13	55	36	4
	9740	-55	-14	55	194	1
	9739	-47	+17	53	12	5
	9739	-46	+16	52	194	1
	9737	-29	-8	29	48	1
	9742	-13	+3	16	12	4
	9735	-10	+27	36	48	2
	9735	-7	+28	36	12	7
	9733	+3	+3	10	315	1
	9733	+3	+4	11	12	6
	9738	+8	-12	10	6	1
	9738	+11	-11	12	12	4
	9732	+16	-9	16	24	6
	9727	+43	+8	45	48	10
	9727	+44	+10	47	194	1
	(11)	(254)	(-7)		1,553	61
Mean daily area for 30 days = 3,421						
Mean 10 g ⁺ s for 30 days = 188.6						
Apr.						
1.622 MW-G	9746	-71	-10	71	73	2
	9746	-65	-9	65	97	4
	9745	-68	+9	71	73	2
	9745	-64	+8	68	48	5
	9741	-35	+12	40	97	9
	9741	-29	+11	34	194	6
	9743	-31	+9	35	48	6
	9740	-29	-16	31	121	5
	9739	-23	+13	30	12	3
	9739	-21	+13	28	170	1
	9737	-3	-10	5	24	1
	9735	+15	+25	35	6	1
	9735	+18	+24	36	6	1
	9735	+21	+23	36	6	3
	9733	+31	+1	32	267	1
	9733	+32	0	33	48	14
	9732	+40	-10	40	12	6

Date U.T.	Heliographic					Spot count
	Mount Wilson group No.	Dif- fer- ence in longi- tude o	Lati- tude o	Dis- tance from cen- ter of disk o	Area of spot or group	
Apr.						
	9732	+47	-9	47	24	2
	9744	+62	+7	65	61	1
	9744	+67	+7	70	36	1
	9727	+75	+9	78	194	1
	(12)	(228)	(-7)		1,617	75
2.644 NO-G	9751	-77	+13	80	194	1
	9746	-57	-11	57	109	1
	9746	-52	-9	52	61	4
	9745	-54	+9	57	121	1
	9745	-51	+10	55	24	6
	9745	-49	+8	52	97	5
	9750	-50	+13	54	61	8
	9741	-21	+13	27	97	1
	9741	-17	+12	25	24	8
	9741	-14	+13	23	194	2
	9743	-17	+9	22	36	4
	9740	-15	-15	17	97	1
	9739	-9	+15	24	6	1
	9739	-8	+15	24	145	1
	9737	+8	-10	9	97	6
	9737	+11	-7	11	6	1
	(*)	+41	-7	41	12	1
	9733	+44	+2	45	242	1
	9748	+53	-8	53	145	15
	9747	+59	+5	62	121	1
	9727	+88	+9	88	194	1
	(14)	(215)	(-6)		2,083	70
3.779 NO-G	9751	-63	+13	67	194	1
	9746	-43	-11	43	121	2
	9746	-38	-8	38	24	1
	9745	-40	+9	44	109	1
	9745	-34	+8	37	73	2
	9750	-38	+14	43	12	3
	9750	-34	+13	40	24	9
	9749	-13	-25	23	24	2
	9741	-8	+13	22	48	3
	9741	0	+12	18	97	1
	9743	-3	+9	16	85	5
	9740	-1	-14	9	48	1
	9739	+8	+16	24	194	1
	9737	+21	-11	22	97	1
	9737	+27	-10	27	97	2
	9733	+57	+2	58	291	1
	9732	+63	-13	63	97	1
	9732	+68	-11	68	12	1
	9748	+66	-7	66	218	1
	9748	+68	-7	68	97	4
	9747	+72	+5	76	121	3
	(14)	(200)	(-6)		2,083	46
4.703 NO-VG	9754	-75	-8	75	24	1
	9753	-71	-18	71	12	1
	9751	-50	+13	55	121	1
	9746	-30	-10	30	97	1
	9746	-27	-8	27	12	1
	9745	-28	+9	32	97	1
	9745	-21	+8	25	61	1

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

Heliographic						
Date U.T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lati- tude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Apr.						
	9750	-26	+14	33	48	7
	9750	-22	+13	29	24	8
	9752	-12	+24	34	12	1
	9749	0	-24	18	121	12
	9749	+5	-23	18	145	4
	9741	+3	+14	20	48	2
	9741	+11	+14	23	73	1
	9741	+12	+13	24	12	10
	9743	+8	+9	17	145	7
	9740	+13	-15	16	24	1
	9739	+18	+16	28	194	1
	9737	+30	-10	30	6	1
	9737	+31	-10	31	145	1
	9737	+37	-8	37	6	1
	9737	+38	-8	38	85	1
	9733	+70	+2	73	242	1
	9732	+76	-14	76	97	1
	9732	+76	-10	76	24	4
	9748	+79	-5	79	242	1
	(16)	(188)	(-6)		2,117	72
6.722 NO-VG	9758	-78	+8	80	242	1
	9753	-45	-18	46	12	1
	9751	-23	+13	30	121	1
	9746	-4	-11	7	73	1
	9745	-2	+8	15	61	10
	9745	+2	+10	17	73	8
	9745	+6	+10	17	145	12
	9750	+2	+14	20	48	10
	9750	+7	+12	20	12	5
	9755	+7	+7	17	6	2
	9749	+27	-25	32	145	20
	9749	+31	-24	35	291	5
	9741	+29	+14	35	170	16
	9741	+31	+13	37	242	1
	9743	+35	+10	39	388	2
	9739	+40	+12	45	48	1
	9739	+46	+15	51	145	1
	9737	+60	-11	60	61	2
	9737	+68	-9	68	121	6
	(12)	(161)	(-6)		2,404	105
7.743 MW-F	9758	-63	+9	67	194	2
	9757	-56	-7	56	24	3
	9753	-32	-17	34	12	1
	9756	-28	-3	29	6	2
	9751	-8	+12	20	73	11
	9746	+10	-11	11	48	1
	9750	+15	+15	26	48	8
	9745	+16	+11	24	194	20
	9755	+19	+6	23	16	3
	9741	+40	+16	46	242	16
	9741	+46	+14	51	388	2
	9749	+42	-27	45	194	12
	9749	+48	-25	51	291	1
	9743	+49	+10	52	339	3
	9739	+55	+13	60	24	1
	9739	+58	+17	64	121	1

Heliographic						
Date U.T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lati- tude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Apr.						
	9737	+73	-12	73	73	4
	9737	+79	-12	80	97	3
	(14)	(147)	(-6)		2,384	94
8.642 NO-G	9760	-80	-3	80	97	1
	9760	-80	-7	80	48	3
	9758	-51	+8	55	194	1
	9757	-45	-9	45	73	4
	9757	-42	-7	42	121	6
	9756	-21	-2	22	12	1
	9753	-19	-17	22	6	1
	(*)	-7	-18	14	6	1
	9751	+5	+12	18	73	1
	9746	+22	-11	23	48	1
	9750	+27	+15	35	24	7
	9745	+29	+11	34	97	14
	9745	+32	+11	36	145	12
	9755	+33	+6	35	6	4
	9749	+50	-27	53	121	6
	9749	+55	-25	57	48	1
	9749	+60	-24	62	242	2
	9741	+52	+16	57	267	9
	9741	+58	+12	62	436	6
	9743	+61	+10	64	339	2
	9739	+70	+14	76	145	1
	(15)	(136)	(-6)		2,548	84
9.635 NO-G	9760	-66	-2	67	73	1
	9760	-66	-6	66	48	2
	9758	-38	+8	42	194	1
	9757	-32	-9	32	97	2
	9757	-28	-7	28	242	7
	9759	-17	-13	19	12	1
	(*)	+5	-8	5	6	1
	(*)	+15	-15	18	12	1
	9751	+17	+11	25	73	2
	9746	+35	-11	35	48	1
	9745	+41	+11	45	170	16
	9749	+61	-27	64	36	2
	9749	+75	-24	75	242	1
	9741	+63	+15	68	194	4
	9741	+70	+12	74	339	2
	9743	+72	+10	74	242	1
	(13)	(122)	(-6)		2,028	45
10.646 NO-F	9762	-73	+25	78	485	2
	9762	-70	+25	77	194	1
	9760	-52	-2	53	61	1
	9760	-52	-6	52	48	2
	9758	-24	+7	28	194	1
	9757	-19	-9	19	48	2
	9757	-13	-8	14	218	1
	9759	-11	-11	12	6	1
	9759	-3	-13	8	61	6
	9751	+31	+11	36	48	1
	9761	+37	-14	38	6	2
	9746	+49	-11	49	48	1
	(*)	+53	+7	56	24	1

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

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Heliographic						
Date U. T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lat- i- tude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Apr.						
	9745	+58	+13	62	145	6
	9741	+78	+15	80	242	4
	9749	+88	-25	88	194	1
	(12)	(109)	(-6)		2,022	33
11.798 NO-F	9765	-85	-22	85	242	1
	9764	-80	-19	80	194	2
	9764	-73	-18	73	194	1
	9763	-66	+11	69	6	1
	(*)	-65	+15	70	6	1
	9762	-59	+23	67	485	1
	9762	-57	+23	67	194	2
	9760	-37	-2	38	61	1
	9758	-9	+7	16	194	1
	9757	-5	-11	7	36	1
	9757	-1	-8	3	97	6
	9757	+2	-9	3	194	1
	9759	+16	-14	17	48	3
	9751	+46	+11	50	36	1
	9746	+63	-12	63	48	2
	9745	+70	+12	74	97	5
	(12)	(94)	(-6)		2,132	30
12.772 NO-F	9765	-71	-22	71	291	1
	9764	-68	-18	69	194	2
	9764	-60	-17	61	194	1
	9766	-60	+21	67	121	1
	9763	-52	+10	56	242	10
	9762	-45	+24	55	485	13
	9762	-40	+21	48	24	1
	9760	-24	-2	25	48	1
	9758	+4	+7	15	194	1
	9757	+8	-12	10	36	1
	9757	+11	-9	12	36	5
	9757	+15	-9	16	97	5
	9757	+16	-9	17	194	1
	9759	+29	-13	30	24	1
	9751	+58	+11	61	24	1
	9745	+81	+11	83	97	4
	(11)	(81)	(-6)		2,301	49
13.584 MW-G	9765	-63	-22	64	48	4
	9765	-59	-24	61	267	1
	9764	-57	-19	58	170	2
	9764	-49	-18	49	194	1
	9766	-55	+22	63	97	10
	9766	-51	+21	59	194	1
	9763	-41	+9	45	291	12
	9762	-38	+23	49	48	4
	9762	-35	+23	45	485	13
	9760	-11	-3	12	48	1
	9758	+15	+7	20	194	1
	9757	+18	-12	20	24	1
	9757	+20	-10	20	12	1
	9757	+26	-9	26	242	8
	9759	+39	-15	40	24	1
	9751	+70	+13	74	24	1
	(10)	(70)	(-6)		2,362	62

Heliographic						
Date U. T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lat- i- tude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Apr.						
14.653 NO-VG	9765	-49	-20	50	24	7
	9765	-45	-22	47	315	1
	9764	-43	-18	44	24	8
	9764	-40	-18	42	73	1
	9764	-34	-17	35	194	1
	9766	-41	+23	52	109	16
	9766	-36	+22	46	97	7
	9763	-27	+9	32	121	17
	9763	-24	+8	28	73	5
	9762	-23	+22	36	24	5
	9762	-20	+23	35	388	20
	9760	+3	-2	5	48	1
	(*)	+13	+18	27	6	1
	9758	+30	+7	33	194	1
	9768	+32	+22	43	12	2
	9757	+35	-10	35	12	4
	9757	+40	-10	40	242	6
	9767	+53	-6	53	6	4
	9759	+53	-15	53	12	5
	(*)	+53	-26	55	6	3
	(13)	(56)	(-6)		1,980	115
15.656 NO-G	9765	-34	-21	37	12	6
	9765	-32	-22	35	218	1
	9766	-28	+22	41	145	11
	9766	-22	+22	36	242	7
	9764	-27	-19	30	73	1
	9764	-21	-18	24	194	1
	9763	-14	+9	21	73	6
	9763	-10	+8	18	48	1
	9769	-10	+30	38	24	2
	9762	-8	+24	32	194	20
	9762	-6	+21	28	145	15
	9760	+16	-3	17	24	1
	9758	+43	+5	45	194	1
	9757	+54	-10	54	242	8
	(9)	(43)	(-6)		1,828	81
16.630 NO-F	9770	-73	-17	73	48	2
	9770	-70	-16	70	12	1
	(*)	-59	+17	65	12	1
	9765	-22	-21	26	145	12
	9765	-20	-22	25	291	1
	9766	-16	+22	32	145	19
	9766	-9	+23	31	242	1
	9764	-13	-19	18	48	1
	9764	-11	-18	17	48	6
	9764	-9	-17	15	145	1
	9763	-1	+8	15	48	1
	9763	+3	+7	14	36	3
	9763	+5	+5	14	6	1
	9769	+2	+28	35	36	2
	9762	+4	+24	32	145	12
	9762	+6	+22	28	73	8
	9760	+29	-3	30	12	1
	9758	+57	+5	60	194	1
	9757	+67	-9	67	194	1
	(11)	(30)	(-6)		1,880	75

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

Heliographic						
Date U. T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lati- tude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Apr. 17.598 MW-G	9775	-78	+10	80	194	1
	9774	-76	+ 8	78	145	1
	9774	-73	+ 6	74	97	2
	9770	-60	-18	61	73	3
	9770	-58	-17	59	145	1
	9773	-56	-12	57	6	1
	9765	-11	-21	19	48	19
	9765	- 7	-22	17	242	1
	9766	- 3	+22	27	145	18
	9766	+ 3	+22	27	242	6
	9764	+ 1	-19	14	48	9
	9764	+ 3	-18	14	145	2
	9769	+14	+29	37	24	4
	9763	+13	+ 9	20	24	6
	9763	+17	+ 7	22	24	1
	9762	+16	+23	32	61	10
	9772	+43	-14	44	6	2
	9758	+69	+ 6	71	194	1
	9757	+80	- 9	80	194	1
	(13)	(17)	(-5)		2,057	89
18.811 NO-F	9776	-87	-10	87	145	1
	9775	-71	+10	73	194	1
	9775	-63	+10	66	145	2
	9774	-60	+ 8	62	97	2
	9774	-57	+ 6	58	73	2
	9770	-51	-19	53	12	1
	9770	-44	-18	45	73	4
	9770	-41	-17	43	97	1
	9765	+ 7	-21	18	24	6
	9765	+ 9	-21	19	291	1
	9766	+12	+24	32	339	14
	9766	+18	+23	33	315	10
	9764	+18	-17	22	73	6
	9764	+19	-18	23	194	2
	9771	+64	+10	66	97	8
	9758	+84	+ 6	84	145	1
	(9)	(1)	(-5)		2,314	62
19.633 NO-G	9777	-80	+15	82	194	1
	9776	-75	- 9	76	339	5
	9775	-59	+ 8	61	194	1
	9775	-59	+11	62	48	1
	9775	-57	+10	59	48	1
	9774	-50	+ 7	52	73	8
	9774	-49	+ 8	51	97	1
	9774	-47	+ 5	48	24	4
	9770	-34	-19	36	48	4
	9770	-33	-17	35	24	5
	9770	-29	-15	31	73	1
	9765	+19	-18	23	12	4
	9765	+20	-21	25	242	1
	9766	+23	+24	37	339	20
	9766	+29	+23	41	388	12
	9764	+30	-18	32	218	2
	9764	+33	-19	35	6	1
	9771	+75	+11	77	97	5
	(9)	(350)	(-5)		2,464	77

Heliographic						
Date U. T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lati- tude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Apr. 20.637 NO-F	9777	-78	+18	80	339	3
	9777	-65	+16	68	194	1
	9780	-79	+10	80	24	2
	9779	-71	+ 1	71	12	2
	9776	-62	-10	62	291	5
	9775	-43	+ 9	46	242	11
	9775	-37	+ 9	40	97	1
	9774	-34	+ 6	35	121	6
	9770	-21	-19	25	48	2
	9770	-19	-18	23	97	2
	9770	-16	-15	18	145	6
	9765	+34	-21	36	291	1
	9766	+35	+25	45	388	15
	9766	+41	+24	50	242	7
	9764	+44	-17	45	194	1
	9778	+56	-11	57	36	3
	(11)	(337)	(-5)		2,761	68
21.652 NO-F	9780	-65	+11	67	24	2
	9777	-64	+18	68	364	3
	9777	-52	+16	55	194	1
	9776	-49	- 9	49	242	1
	9776	-46	- 9	46	291	1
	9775	-30	+ 9	32	194	16
	9775	-24	+ 9	28	121	1
	9774	-20	+ 6	24	170	20
	9770	- 6	-19	15	97	7
	9770	- 3	-16	13	121	8
	9782	+ 7	+27	33	36	3
	9782	+10	+25	32	48	2
	9781	+37	- 9	37	12	4
	9765	+45	-20	47	6	1
	9765	+47	-22	50	242	1
	9766	+47	+24	55	242	7
	9766	+55	+23	60	218	3
	9764	+58	-19	58	97	4
	(11)	(324)	(-5)		2,719	85
22.665 MW-F	9785	-85	+11	86	194	1
	9780	-51	+11	53	24	1
	9779	-51	+ 1	51	12	1
	9777	-50	+17	55	364	11
	9777	-40	+17	46	12	2
	9777	-38	+16	43	194	1
	9776	-39	-12	40	48	7
	9776	-36	-10	36	145	2
	9776	-33	-10	33	218	1
	9775	-16	+10	22	145	24
	9775	-11	+ 9	17	145	1
	9774	- 8	+ 8	16	145	15
	9774	- 5	+ 5	11	48	11
	9783	+ 7	+34	40	12	2
	9770	+ 7	-20	17	48	14
	9770	+10	-15	14	121	25
	9782	+20	+27	37	48	4
	9782	+27	+25	40	36	1
	9781	+50	- 9	51	24	5
	9765	+60	-22	61	218	1
	9766	+60	+23	65	121	10

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

11

Date U. T.	Heliographic					Spot count
	Mount Wilson group No.	Dif- ference in longi- tude °	Lat- itude °	Dis- tance from cen- ter of disk °	Area of spot or group	
Apr.						
	9766	+67	+22	71	194	5
	9764	+71	-19	72	48	1
	(14)	(310)	(-5)		2,564	146
23.753 MW-P	9785	-71	+11	73	97	1
	9786	-56	-7	56	48	7
	9779	-36	+1	37	12	1
	9780	-35	+11	38	24	1
	9777	-34	+17	40	291	13
	9777	-24	+16	31	194	1
	9776	-21	-10	22	145	1
	9776	-19	-10	20	194	1
	9775	+3	+9	13	97	1
	9774	+7	+6	13	194	10
	9784	+12	-13	13	73	4
	9770	+21	-19	25	97	31
	9770	+23	-16	25	97	5
	9782	+33	+27	45	24	4
	9782	+40	+25	50	24	1
	9781	+62	-11	62	16	1
	9765	+73	-22	74	194	1
	(13)	(296)	(-5)		1,821	84
24.638 NO-F	9787	-71	+20	75	73	1
	9785	-61	+10	64	12	1
	9785	-58	+10	60	97	1
	9786	-46	-7	46	48	1
	9786	-41	-7	41	48	4
	9779	-25	+1	27	12	1
	9777	-24	+17	32	48	1
	9777	-22	+17	30	242	13
	9777	-11	+16	23	194	1
	9780	-23	+11	27	12	1
	9776	-9	-10	11	121	1
	9776	-7	-10	9	291	1
	9776	-8	-9	19	24	3
	9775	+15	+9	21	145	1
	9774	+20	+5	23	121	7
	9784	+25	-12	27	24	2
	9770	+36	-19	38	73	4
	9781	+74	-11	75	12	1
	9765	+85	-22	85	97	1
	(13)	(284)	(-5)		1,694	46
25.642 NO-F	9789	-78	-24	78	242	1
	9789	-71	-26	73	12	1
	9787	-57	+20	62	73	1
	9790	-50	+20	55	12	1
	9785	-43	+10	45	73	1
	9786	-33	-7	33	73	5
	9786	-28	-7	28	97	6
	9788	-14	-14	16	145	9
	9779	-12	+1	13	12	1
	9780	-10	+11	19	6	1
	9777	-8	+16	23	291	18
	9777	+2	+16	21	194	1
	9776	+4	-9	6	97	1
	9776	+6	-11	8	242	1

Date U. T.	Heliographic					Spot count
	Mount Wilson group No.	Dif- ference in longi- tude °	Lat- itude °	Dis- tance from cen- ter of disk °	Area of spot or group	
Apr.						
	9775	+29	+10	32	121	1
	9774	+34	+5	35	121	9
	9770	+48	-19	50	36	3
	(13)	(271)	(-5)		1,847	61
26.635 NO-G	9789	-64	-24	65	291	1
	9789	-64	-26	66	24	1
	9787	-44	+20	50	97	1
	9790	-34	+21	43	12	1
	9785	-30	+10	33	48	1
	9786	-14	-7	15	97	9
	9788	-1	-14	9	121	17
	9777	+6	+16	22	291	16
	9777	+15	+16	25	194	1
	9776	+18	-10	19	73	1
	9776	+20	-11	21	218	1
	9775	+41	+10	43	121	1
	9774	+47	+5	47	170	15
	(10)	(258)	(-5)		1,757	66
27.606 MW-G	9789	-50	-24	53	242	1
	9787	-31	+20	40	97	1
	9790	-20	+21	33	12	2
	9785	-18	+9	24	24	6
	9786	-5	-9	5	48	10
	9786	-2	-7	3	97	14
	9786	+2	-7	3	170	5
	9793	+4	-26	22	12	4
	9792	+11	-8	12	12	2
	9788	+13	-14	15	121	8
	9779	+15	+1	15	12	1
	9777	+17	+17	28	194	24
	9777	+23	+17	32	16	1
	9777	+27	+19	35	12	2
	9777	+28	+16	34	194	1
	9776	+32	-12	33	73	8
	9776	+32	-11	33	218	1
	9791	+36	+21	45	12	1
	9775	+55	+9	56	97	1
	9774	+59	+7	60	121	7
	(14)	(245)	(-5)		1,784	100
28.657 NO-G	9789	-38	-24	42	291	1
	9787	-18	+20	30	109	1
	9785	-2	+10	13	12	1
	9786	+13	-7	13	73	7
	9786	+17	-6	17	242	3
	9792	+25	-9	26	24	2
	9788	+25	-15	27	97	1
	9788	+29	-14	31	24	3
	9777	+32	+17	37	97	7
	9777	+36	+17	42	12	3
	9777	+41	+16	45	194	1
	9776	+47	-10	47	48	10
	9776	+47	-12	48	194	1
	9776	+49	-13	49	48	6
	9775	+68	+10	70	73	1
	9774	+70	+6	71	12	1

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

Heliographic						
Date U.T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lati- tude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
Apr.						
	9774	+75	+ 4	77	97	4
	(10)	(231)	(-4)		1,647	53
29.648 NO-F	9794	-79	+19	79	194	1
	9789	-24	-24	30	242	1
	9787	- 5	+20	24	73	1
	9785	+ 9	+10	17	6	2
	9786	+27	- 7	27	194	15
	9786	+31	- 6	31	242	1
	9788	+38	-15	40	61	3
	9777	+48	+15	52	24	4
	9777	+50	+17	54	24	3
	9777	+55	+16	58	194	1
	9776	+60	-11	60	121	1
	9776	+61	- 9	61	24	9
	(8)	(218)	(-4)		1,399	42
30.631 MW-F	9794	-61	+19	66	218	1
	(*)	-38	-22	41	6	1
	9789	-10	-24	22	242	1
	9787	+ 8	+20	25	73	1
	9796	+29	- 6	29	73	4
	9786	+40	- 7	40	97	5
	9786	+44	- 5	44	48	4
	9786	+46	- 5	46	242	1
	9788	+53	-14	54	36	6
	9777	+60	+17	63	12	2
	9777	+68	+15	70	194	1
	9795	+71	+ 5	72	48	3
	9776	+72	- 9	72	48	3
	9776	+73	-10	73	242	1
	(10)	(205)	(-4)		1,579	34
Mean daily area for 29 days = 2,075						
Mean 10 g's for 29 days = 190.0						
May						
1.598 MW-VG	9800	-74	- 5	74	12	4
	9799	-59	+ 6	60	12	2
	9794	-49	+19	53	194	1
	9798	-20	+10	24	12	3
	9797	- 7	+20	25	24	6
	9797	- 5	+18	22	61	5
	9797	- 3	+16	20	12	3
	9789	+ 2	-26	22	24	9
	9789	+ 2	-24	20	194	1
	(*)	+16	+11	18	6	2
	9787	+21	+20	32	48	2
	9796	+43	- 8	43	48	4
	9796	+49	- 8	49	61	12
	9786	+57	- 7	57	12	5
	9786	+58	- 6	58	194	1
	9788	+67	-15	67	12	9
	9777	+82	+16	82	194	1
	9776	+87	-11	87	242	1
	(13)	(192)	(-4)		1,362	71

Heliographic						
Date U.T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lati- tude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
May						
2.589 MW-VG	9802	-67	+14	70	48	3
	9800	-61	- 5	61	12	4
	9799	-46	+ 5	47	16	10
	9794	-35	+19	41	48	1
	9798	- 7	+10	15	97	17
	9797	+ 7	+20	24	12	4
	9797	+ 9	+18	24	145	11
	9797	+11	+17	23	48	1
	9789	+13	-26	26	12	3
	9789	+15	-24	25	194	1
	9787	+27	+17	33	12	2
	9787	+33	+20	41	36	1
	9786	+58	- 6	58	12	1
	9786	+67	- 8	67	24	7
	9786	+71	- 6	71	194	1
	9788	+79	-15	79	12	3
	(10)	(179)	(-4)		922	70
3.635 NO-G	9804	-80	+ 6	80	145	1
	9802	-55	+12	57	12	5
	9802	-53	+14	56	61	1
	9800	-47	- 6	47	12	1
	9799	-30	+ 5	32	170	18
	9794	-21	+19	30	218	1
	9798	+ 7	+10	15	24	14
	9798	+10	+10	17	48	1
	9797	+21	+20	32	97	8
	9797	+23	+17	30	121	15
	9797	+26	+18	34	194	1
	9789	+29	-24	33	194	1
	9787	+47	+21	53	12	1
	(9)	(165)	(-4)		1,308	68
4.638 NO-F	9804	-67	+ 6	68	97	1
	9803	-46	+20	51	12	1
	9803	-40	+20	47	12	4
	9802	-41	+12	43	24	4
	9802	-39	+13	42	121	1
	9800	-35	- 6	35	12	2
	9799	-20	+ 6	23	48	3
	9799	-16	+ 5	20	194	7
	9794	-12	+19	25	339	12
	9798	+19	+13	25	24	2
	9798	+23	+10	26	48	1
	9798	+23	+11	27	218	4
	9797	+35	+18	41	170	4
	9797	+40	+17	45	194	1
	9789	+43	-24	46	145	2
	9787	+60	+20	63	12	1
	(10)	(152)	(-4)		1,670	50
5.652 NO-G	9809	-80	-17	80	582	1
	9804	-54	+ 6	56	73	1
	9807	-35	-11	36	6	3
	9802	-29	+12	32	12	1
	9802	-27	+12	31	97	8
	9803	-28	+21	37	24	10
	9799	- 4	+ 5	11	242	12

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

13

Heliographic					
Date U. T.	Mount Wilson group No.	Dif- fer- ence in longi- tude o	Lat- i- tude o	Dis- tance from cen- ter of disk o	Area of spot or group Spot count
May					
	9799	+ 3	+ 6	11	145 2
	9799	+ 4	+ 7	12	291 2
	9794	+ 6	+19	23	218 1
	9798	+34	+12	37	145 20
	9797	+49	+18	52	48 7
	9797	+55	+17	59	145 1
	9789	+56	-25	58	73 3
	9787	+75	+20	77	12 1
	(11)	(139)	(-4)		2,113 73
6.641 NO-G	9809	-67	-17	67	582 2
	9808	-63	+20	66	12 2
	9804	-41	+ 6	43	61 1
	9807	-21	-11	22	12 2
	9803	-17	+22	31	6 1
	9802	-15	+12	22	24 10
	9802	-13	+12	21	61 8
	9799	+10	+ 5	13	194 13
	9799	+17	+ 5	21	291 10
	9799	+19	+18	29	339 1
	9794	+19	+19	29	194 1
	9798	+47	+12	50	145 18
	9797	+67	+17	70	145 2
	9789	+69	-25	70	48 2
	(11)	(126)	(-4)		2,114 73
7.647 NO-G	9811	-65	+17	68	6 2
	9809	-53	-17	54	582 3
	9804	-28	+ 7	31	61 1
	(*)	-20	+18	29	12 4
	9807	- 5	-11	9	6 3
	9803	- 4	+23	26	6 1
	9803	+ 2	+22	26	12 7
	9802	0	+13	17	36 3
	9806	+ 3	- 5	3	73 8
	9810	+10	+10	16	12 4
	9805	+15	-14	19	12 2
	9799	+24	+ 5	25	291 10
	9799	+26	+ 5	27	24 2
	9799	+31	+ 8	33	436 1
	9794	+32	+19	39	194 1
	9798	+58	+14	60	12 1
	9798	+59	+11	60	12 1
	9798	+63	+12	65	12 2
	9797	+80	+17	80	121 2
	(14)	(112)	(-4)		1,920 58
8.592 MW-G	9811	-50	+17	53	12 3
	9809	-39	-17	41	291 1
	9809	-38	-18	40	145 3
	9804	-14	+ 7	18	61 1
	9803	+11	+21	27	6 3
	9807	+ 8	-11	12	16 4
	9802	+14	+13	22	24 3
	9806	+17	- 5	18	61 21
	9805	+27	-14	30	97 19
	9799	+35	+ 5	37	194 29
	9799	+45	+ 7	46	485 1

Heliographic					
Date U. T.	Mount Wilson group No.	Dif- fer- ence in longi- tude o	Lat- i- tude o	Dis- tance from cen- ter of disk o	Area of spot or group Spot count
May					
	9794	+45	+19	49	194 1
	9798	+77	+12	77	16 4
	(11)	(100)	(-3)		1,602 93
9.652 NO-F	9811	-37	+15	41	24 8
	9809	-27	-19	31	48 5
	9809	-26	-18	30	339 1
	9809	-24	-19	28	61 1
	9804	0	+ 7	10	48 1
	9806	+30	- 5	30	145 7
	9805	+39	-14	41	145 8
	9805	+43	-12	44	194 1
	9799	+50	+ 7	51	73 5
	9799	+59	+ 9	60	485 1
	9794	+60	+19	63	194 1
	(7)	(86)	(-3)		1,756 39
10.698 MW-P	9809	-14	-18	21	48 6
	9809	-12	-17	18	339 1
	9809	-10	-18	18	97 2
	9804	+13	+ 7	16	48 1
	9802	+43	+14	45	24 2
	9806	+44	- 5	44	194 7
	9805	+53	-15	55	97 2
	9805	+57	-13	58	73 1
	9799	+73	+ 9	73	485 1
	9794	+73	+19	74	194 1
	(7)	(72)	(-3)		1,599 24
11.580 MW-VG	9809	- 2	-19	16	73 15
	9809	+ 1	-17	14	291 1
	9809	+ 3	-18	15	97 7
	9804	+26	+ 7	28	48 1
	9812	+43	-17	45	61 3
	9802	+55	+14	57	12 3
	9806	+55	- 6	55	97 6
	9805	+65	-15	66	97 3
	9805	+71	-13	71	97 4
	9799	+87	+ 9	87	388 1
	9794	+87	+19	87	194 1
	(8)	(60)	(-3)		1,455 45
12.644 NO-VG	9816	-80	+27	80	170 1
	9816	-75	+25	77	24 2
	9815	-77	- 3	77	194 1
	9809	+12	-19	20	73 10
	9809	+17	-16	22	242 1
	9809	+18	-18	24	61 2
	9804	+39	+ 7	40	36 1
	9812	+57	-16	58	48 2
	9814	+62	-13	63	24 2
	9806	+67	- 5	67	24 4
	9806	+72	- 4	72	12 1
	9802	+70	+12	70	12 1
	9805	+73	-15	73	97 1
	9805	+85	-13	85	97 5
	(9)	(46)	(-3)		1,114 34

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

Heliographic							Heliographic						
Date U.T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lat- itude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count	Date U.T.	Mount Wilson group No.	Dif- fer- ence in longi- tude °	Lat- itude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
May							May						
13.643	9816	-68	+26	71	145	1		9820	+8	+5	12	61	13
NO-G	9816	-64	+25	68	48	6		9820	+11	+3	13	48	1
	9815	-63	-3	63	194	1		(*)	+7	+8	12	6	1
	(*)	-25	+10	28	12	3		(*)	+10	+25	29	12	5
	9809	+25	-19	29	16	1		9819	+15	-7	16	97	25
	9809	+29	-17	32	242	1		9819	+9	-8	12	24	1
	9809	+30	-18	33	48	1		(*)	+19	+25	33	24	12
	9804	+53	+8	55	36	1		9818	+32	+26	42	170	6
	9812	+71	-15	71	36	2		9818	+36	+25	44	24	15
	(6)	(33)	(-3)		777	17		9818	+40	+24	47	194	1
								(*)	+37	-37	48	12	2
14.644	9816	-60	+28	55	12	1		(9)	(314)	(-2)		1,289	123
NO-F	9816	-54	+26	61	121	1							
	9816	-47	+24	53	24	2	20.642	9823	-44	-26	49	73	1
	9815	-49	-5	49	61	2	NO-G	9823	-39	-25	43	121	1
	9815	-47	-3	47	242	1		9822	-22	-9	23	73	21
	(*)	-11	+10	18	48	8		9822	-22	-11	23	61	1
	9809	+42	-17	44	218	1		9822	-18	-9	20	73	1
	9809	+44	-18	45	36	1		9821	-4	-2	3	6	1
	9809	+44	-19	46	24	5		9820	+21	+4	22	61	15
	9804	+66	+9	67	12	1		9820	+25	+3	26	36	1
	(5)	(20)	(-3)		798	23		9819	+29	-6	29	24	12
17.759	9823	-82	-27	82	48	1		9819	+32	-7	33	24	1
NO-G	9823	-78	-25	78	339	1		9815	+33	-4	33	24	13
	9822	-59	-10	59	194	10		9815	+36	-4	36	194	1
	9820	-22	+5	23	61	7		9818	+45	+26	51	121	4
	9820	-17	+4	21	97	5		9818	+48	+24	53	12	3
	9819	-11	-7	12	145	14		9818	+52	+24	56	267	2
	9819	-6	-7	7	48	1		9817	+62	-12	62	24	5
	9815	-7	-4	8	36	9		(8)	(300)	(-2)		1,194	83
	9815	-4	-4	3	194	1							
	9818	+9	+26	30	61	3	21.631	9823	-31	-26	37	48	1
	9818	+12	+23	28	61	1	MW-F	9823	-25	-25	33	97	3
	9809	+85	-18	85	194	1		9822	-8	-10	11	73	7
	(7)	(339)	(-2)		1,478	54		9822	-4	-10	9	73	1
18.635	9823	-70	-26	71	194	2		9821	+9	-2	9	36	8
NO-G	9823	-65	-25	67	194	1		9821	+12	-3	12	24	4
	9822	-48	-10	48	145	9		9820	+35	+3	36	170	20
	9822	-46	-10	46	97	5		9819	+46	-7	46	24	1
	9820	-10	+5	13	48	3		9815	+48	-3	48	194	1
	9820	-5	+3	8	73	5		9818	+59	+25	62	145	3
	(*)	-2	+26	29	16	6		9818	+69	+24	71	218	1
	9819	+2	-7	4	145	11		(7)	(287)	(-2)		1,102	50
	9819	+6	-6	7	48	1							
	9815	+6	-3	6	24	7	22.812	9826	-80	+18	80	145	1
	9815	+8	-4	8	194	1	NO-F	9823	-17	-26	29	12	1
	9818	+20	+26	36	194	7		9823	-10	-25	26	73	1
	9818	+25	+23	35	194	2		9825	-15	+5	17	97	9
	(7)	(327)	(-2)		1,566	60		9822	+6	-10	10	61	1
19.645	9823	-58	-26	61	97	1		9822	+9	-7	12	24	6
NO-VG	9823	-55	-25	58	12	8		9822	+12	-9	13	61	1
	9823	-52	-25	55	170	1		9821	+23	-2	23	73	3
	9822	-35	-10	37	145	10		9821	+25	-3	25	48	6
	9822	-33	-10	34	145	15		9820	+50	+3	50	145	6
	9820	+5	+5	9	48	6		9815	+62	-3	62	194	1
								9818	+75	+25	78	145	2
								9818	+85	+24	85	194	1
								(8)	(272)	(-2)		1,272	39

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

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Heliographic						
Date U.T.	Mount Wilson group No.	Dif- ference in longi- tude °	Lat- itude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
May						
23.646	9831	-85	- 4	85	97	1
NO-VG	9826	-78	+21	79	121	2
	9826	-73	+18	75	12	2
	9826	-68	+17	70	145	1
	9830	-54	+13	55	12	4
	9825	- 6	+ 5	8	145	3
	9825	- 4	+ 5	9	48	3
	9825	- 3	+ 5	8	97	1
	9823	- 5	-26	25	12	1
	9823	- 1	-23	22	12	5
	9823	+ 1	-25	24	61	1
	(*)	+12	+ 6	14	6	3
	9822	+18	-10	20	61	1
	9822	+19	- 8	21	24	12
	9822	+24	- 8	26	24	10
	9821	+35	- 1	35	73	5
	9821	+37	- 2	37	61	8
	9828	+32	- 7	33	12	5
	9820	+58	+ 5	58	36	2
	9820	+58	+ 3	58	48	1
	9827	+65	+25	69	12	2
	9815	+75	- 3	75	194	1
	(12)	(261)	(-2)		1,313	74
24.639	9831	-70	- 5	70	121	3
NO-G	9826	-64	+20	67	61	1
	9826	-55	+17	58	121	1
	9830	-40	+12	42	12	2
	9829	+ 7	+15	18	61	7
	9825	+ 7	+ 5	9	97	2
	9825	+10	+ 6	13	73	8
	9825	+14	+ 5	16	97	2
	9823	+14	-26	28	48	1
	9834	+15	+28	32	24	5
	9822	+31	-11	32	48	1
	9822	+39	- 9	39	16	7
	9833	+31	+29	42	36	3
	9828	+44	- 7	44	12	2
	9821	+48	- 1	48	97	1
	9821	+52	- 2	52	194	7
	9832	+64	- 1	64	36	4
	9820	+71	+ 5	71	24	1
	(13)	(248)	(-2)		1,178	58
25.639	9836	-80	+ 4	80	97	2
NO-G	9831	-63	- 5	63	36	1
	9831	-57	- 5	57	145	2
	9826	-49	+18	52	36	1
	9826	-48	+16	51	12	1
	9826	-42	+15	44	109	1
	(*)	-28	-21	34	6	2
	9835	+ 6	- 7	8	6	2
	9829	+19	+17	26	36	6
	9829	+21	+14	25	24	7
	9825	+20	+ 5	22	61	7
	9825	+26	+ 6	27	24	1
	9825	+27	+ 4	28	73	1
	9823	+27	-24	34	36	1
	9834	+30	+29	41	12	1

Heliographic						
Date U.T.	Mount Wilson group No.	Dif- ference in longi- tude °	Lat- itude °	Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
May						
	9822	+44	-10	45	24	1
	9821	+60	- 1	60	73	1
	9821	+64	- 2	64	12	8
	9821	+67	- 1	67	194	1
	(11)	(234)	(-1)		1,016	7
26.808	9838	-80	+22	80	145	1
NO-P	9836	-73	+ 5	74	291	4
	9836	-67	+ 4	67	194	3
	9837	-61	+13	67	12	1
	9831	-48	- 5	48	48	1
	9831	-43	- 5	43	145	2
	9826	-35	+19	40	73	3
	9826	-26	+16	31	97	1
	9830	-14	+13	20	12	2
	9825	+35	+ 5	32	48	3
	9825	+43	+ 6	43	73	1
	9829	+42	+15	44	24	3
	9823	+44	-24	49	24	1
	9822	+60	-10	60	24	1
	9821	+80	- 1	80	194	2
	(11)	(219)	(-1)		1,404	29
27.728	9838	-69	+22	71	194	1
NO-G	9836	-60	+ 5	60	291	1
	9836	-55	+ 5	55	6	1
	9836	-53	+ 3	53	145	2
	9837	-56	+16	58	12	1
	9837	-49	+13	52	24	5
	9831	-34	- 5	34	24	4
	9831	-30	- 5	30	194	1
	9826	-23	+19	30	24	4
	9826	-16	+16	23	73	1
	9830	0	+13	14	12	10
	9830	+ 1	+ 9	10	12	1
	9825	+49	+ 4	49	12	5
	9825	+53	+ 5	53	36	1
	9829	+52	+15	54	24	5
	9823	+55	-24	58	12	1
	9834	+57	+27	61	24	4
	9822	+71	- 9	71	24	1
	(11)	(207)	(-1)		1,143	49
28.656	9840	-83	+15	83	194	1
NO-VG	9838	-55	+23	60	170	1
	9836	-47	+ 7	48	145	16
	9836	-41	+ 5	41	145	13
	9836	-39	+ 4	39	145	2
	9837	-43	+17	48	24	1
	9837	-39	+16	41	48	7
	9831	-22	- 5	22	48	4
	9831	-18	- 5	18	36	6
	9831	-17	- 5	17	145	1
	9826	-13	+17	22	12	6
	9826	-11	+19	22	12	2
	9826	- 2	+16	17	97	1
	9825	+67	+ 5	67	12	1
	9823	+67	-23	67	6	1
	(8)	(194)	(-1)		1,239	63

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS

Date U.T.	Mount Wilson group No.	Heliographic		Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
		Dif- ference in longi- tude °	Lati- tude °			
May						
29.667	9840	-78	+14	79	97	1
NO-F	9840	-66	+15	68	291	1
	9841	-43	-14	45	73	3
	9838	-42	+23	48	170	1
	9836	-32	+6	34	170	9
	9836	-30	+5	31	145	6
	9836	-24	+4	25	533	18
	9837	-27	+15	31	97	7
	9831	-9	-5	10	12	3
	9831	-2	-5	4	61	1
	9826	+3	+19	20	12	2
	9826	+12	+16	20	48	2
	(7)	(181)	(-1)		1,709	54
30.653	9840	-64	+14	66	242	6
NO-P	9840	-60	+11	61	97	8
	9840	-53	+14	55	242	1
	9841	-30	-14	32	97	4
	9838	-29	+23	37	145	3
	9836	-19	+6	22	121	4
	9836	-17	+5	18	194	4
	9836	-10	+3	12	533	7
	9837	-15	+16	22	48	2

Date U.T.	Mount Wilson group No.	Heliographic		Dis- tance from cen- ter of disk °	Area of spot or group	Spot count
		Dif- ference in longi- tude °	Lati- tude °			
May						
	9837	-11	+14	19	121	3
	9831	+11	-5	12	61	1
	9826	+26	+15	30	48	1
	(7)	(168)	(-1)		1,949	44
31.646	9840	-50	+15	52	73	7
NO-F	9840	-43	+13	45	48	5
	9840	-39	+14	41	218	1
	9841	-20	-11	22	48	6
	9841	-18	-11	20	36	1
	9841	-12	-12	15	73	5
	9838	-19	+22	30	12	3
	9838	-16	+23	28	145	1
	9836	-6	+6	10	291	7
	9836	+1	+4	5	97	15
	9836	+6	+3	9	533	1
	9837	+3	+14	15	24	2
	9831	+25	-5	25	61	1
	9826	+40	+16	44	24	3
	(7)	(155)	(-1)		1,683	58

Mean daily area for 29 days = 1,415
 Mean 10 g+s for 29 days = 147.0